

# Mapline

*A quarterly newsletter published by  
The Hermon Dunlap Smith Center for the History of Cartography  
at The Newberry Library*

Number 19 September 1980

Maria Holden, *Editor*

## The Catal Hyük Map

The translation of perceptual and cognitive space into graphic portrayals is now generally recognized as an universal human trait and one, moreover, which probably harks back to that vaguely conceived state: the "dawn of consciousness". As these misty beginnings are far removed from us, set in a pre-literate context and have had their artifacts subject to the ravages of time, the notion of identifying the "oldest map", in any definitive sense, will remain permanently elusive.

Nevertheless, searching for these earliest forms of cartography is a subject of considerable interest. They provide not only chronological benchmarks and information about geographical occurrence but also verify the commonness of mapping, help elucidate cultural differences, provide data for tracing conceptual evolution in graphic presentations and enable exploration of relationships to more contemporary "primitive" mapping.

As such, there are a number of well-known early examples which appear in most standard accounts of the history of cartography. The most familiar and usually presented as the oldest extant cartographic efforts are the Babylonian maps set down on clay tablets. These are variable in scale; ranging from world-conceptions to regional, local and large-scale depictions right down to building plans.\*

It seems to be little known, in cartographic circles, however, that in 1963, James Mellaart of the British Archaeological Institute in Ankara, Turkey, revealed, in the course of an excavation of Catal Hyük in Anatolia, a map-form whose *in situ* radio-carbon examination gave a date of  $6,200 \pm 97$  B.C. This representation, in the form of a wall-painting some 9 feet long relates a town plan, matched by Mellaart to Catal Hyük itself showing the congested "beehive" layout of the settlement and illustrating

(Continued on next page)



Landscape painting from north and east walls of shrine VII.14. In the foreground is a town rising in graded terraces closely packed with rectangular houses. Behind the town an erupting volcano is shown, its sides covered with incandescent volcanic bombs rolling down the slope of the mountain. Others are thrown up from the erupting cone above which hovers a cloud of smoke and ashes. The twin cones suggest that an eruption of Hasan Dag, rising to a height of 10,672 feet (3,553 metres) and standing at the eastern end of the Konya Plain and visible from Catal Huyuk, is recorded.

*The Hermon Dunlap Smith Center for the History of Cartography*

Director: David Woodward

The Center was founded in 1972 at The Newberry Library to promote the study of the history of cartography through research projects, fellowships, courses of instruction, and publications. Further information is available on request.

*Mapline* is published four times a year in March, June, September, and December. Annual subscription: \$4.00. Back issues (as available) \$1.00 each. Please address all correspondence to the editor at The Newberry Library, 60 West Walton Street, Chicago IL 60610.

some 80 individual buildings.

In the background of this layout is a double-peaked object which has been identified as the profile of local volcanic mountains important for the inhabitants of Catal Hyük as a source of obsidian for a variety of tools, weapons, jewelry, mirrors and other objects. Further, from graphic embellishments around the mountain, Mellaart has supposed that the illustration shows the volcano in an active state; a clear possibility since vulcanism in the area continued up to some 4,000 years later.

Mellaart's account appears in "Excavations at Catal Hyük 1963", Anatolian Studies, Journal of the British Institute of Archaeology at Ankara, Vol. XIX, 1964 and, more accessibly, perhaps, in his Catal Hyük: A Neolithic town in Anatolia, McGraw-Hill, 1967, pp. 176-177 (plus illustration). The only cartographic commentary appears to be in the Hungarian journal, Geodezia és Kartográfia by Dénes Virágh (vol. 18, No. 2, pp. 143-145, 1965 with 3 illustrations). An English translation of the latter article was prepared by Miklos Pinther, who was then the writer's assistant at the American Geographical Society; the article is available upon request.

Clearly, the Catal Hyük is not necessarily the end of the line. Investigation into the earliest beginnings of cartography will go on and we have every reason to hope for new discoveries and new enlightenment. In this, the relative chronology of the use of materials for mapping and their comparative durability are key factors; with graphics on stone, earthenware, metal and the like, generally antedating and outlasting more fragile and sophisticated materials. Archaeology is thus, perhaps more than any other, the discipline which is likely to present cartographers with new offerings concerning the beginning of their craft.

\* They are also accounted for in a rather conflicting manner in both abbreviated and fuller treatments; for the same maps, dates quoted may differ as much as 1,500 years, geographical locations identified and named vary, and general descriptions differ in context and explanation. As most critical commentaries seem to be set in the 1930's a revisitation for purposes of cartographic clarity would seem to be in order.

-Harry Steward

Harry Steward is Associate Professor at the Graduate School of Geography, Clark University, Worcester, MA.

## Calendar

### 6 September

New York Map Society, American Museum of Natural History. Speaker: Robert Sperling, Map Division, NYPL, "Antique maps on stamps." (Alice C. Hudson, The New York Map Society, P.O. Box 426, Rye, NY 10580)

### 12-15 September

British Cartographic Society Annual Symposium, Liverpool. (A.G. Hodgkiss, Department of Geography, University of Liverpool, Roxby Building, P.O. Box 147, Liverpool L69 3BX)

### 20 September

Mid-America Historical Geography Association Annual Meeting, University of Illinois, Urbana-Champaign. (John Jakle, Department of Geography, University of Illinois, Urbana, IL 61801)

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### 29 September

Michigan Map Society, West Conference Room, Rackham Building, University of Michigan, Ann Arbor. Speaker: David Bannister, Regent Gallery, Cheltenham, England, "Aspects of the History of Cartography of Special Interest to Prospective Collectors." (Judy Siegal, Geography Department, University of Michigan, Ann Arbor, MI 48109)

### 2-4 October

Cartographic Information Society Organizational Meeting, Milwaukee. (CIS c/o Christine Reinhard, 143 Science Hall, Madison, WI 53706)

### 2-4 October

31st Annual Meeting of West Lakes Division of the AAG, Radisson Duluth Hotel, Duluth, MN (Gordon L. Levine, Department of Geography, University of Minnesota-Duluth, Duluth, MN 55812)

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Michigan Map Society and Map On-line Users' Group, University of Michigan, Ann Arbor. Speaker: Dr. Richard Taketa, University of Michigan, "Modern Cartography." (Judy Siegal, Geography Department, University of Michigan, Ann Arbor, MI 48109)

### 7-10 October

American Congress of Surveying and Mapping/American Society of Photogrammetry Convention, Niagara Falls, NY. (Charles E. Harnett, Assistant Deputy Director for Administration, R.D.1, Box 142, Melrose, NY 12121)

### 16 October

Chicago Map Society, The Newberry Library. Program to be announced. (Marsha Selmer, Chicago Map Society, 60 W. Walton, Chicago, IL 60610)

### 17 October

Antiquarian Book Fair and Auction, Earle Brown Center, University of Minnesota, St. Paul. Sponsored by the Associates of the James Ford Bell Library. (John Parker, Wilson Library, University of Minnesota, Minneapolis, MN 55455)

### 17-19 October

19th Annual Meeting of the History of Science Society, Toronto. (Richard Jarrell, Department of Natural Science, Atkinson College, York University, Downsview, Ontario, Canada M3J 2E8)

### 26-29 October

Society for the History of Discoveries Annual Meeting, Columbus, Ohio. (SHD, 45 Mill Rock Road, Hamden, CT 06511)

### 30 October-1 November

Sixth Kenneth Nebenzahl, Jr., Lectures in the History of Cartography, Chicago. Theme: "Art & Cartography." (Nebenzahl Lectures, The Newberry Library, 60 West Walton Street, Chicago, IL 60610; (312) 943-9090 ext. 251)

### 18 November

Michigan Map Society, University of Michigan, Ann Arbor. Program: Environmentalist Robert Pickett



# Coolie Verner Papers

The University of British Columbia Archives has received, by the terms of his will, the papers of the late Professor Coolie Verner. The papers consist of original correspondence, manuscripts, photographs and maps relating to his work in adult education, historical cartography and cartobibliography.

In order to assist scholars who may be interested in Professor Verner's work, the UBC Archives is trying to locate those manuscripts which are not in the bequeathed collection. Since Professor Verner seldom kept carbon copies of his correspondence, the Archives would also be interested in hearing from people who have corresponded with him. Please contact Mrs. E. L. Daniells, University Archivist, Library-Special Collections, 1956 Main Mall, University of British Columbia, Vancouver, B.C., Canada V6T 1Y3.

## Kudos

The Geography and Map Division of the Special Libraries Association has bestowed its Honors Award on Maud Cole for her devoted service to librarianship and to maps.

A native of Ohio, Mrs. Cole entered the library field after earning a Bachelor of Arts degree with a history major from the University of Toledo and a Bachelor of Arts in Library Science from the University of Michigan. Following library positions in Michigan, New York State, and Kansas, she joined the staff of the Exchange and Gift Division of the Library of Congress. In 1945 she transferred to the Map Division as a reference librarian and atlas cataloger. While employed in this position, she studied art and geography at the Graduate School of the U.S. Department of Agriculture. Her interests in history, art, geography, and library science stood her in good stead during her work at the Library of Congress, and later when she moved to the American History Division of the New York Public Library in 1952 and then to its Rare Book Division. She retired as Keeper of Rare Books in 1977.

Among her professional publications are "The American Alpine Club and the Montagnier Memorial Library," "Some Early Map Treasures in the New York Public Library," and "Children's Rare Book Treasures." In collaboration with others, she prepared a report, "Formation of a Dictionary Catalog of Atlases in the Library of Congress Map Division," and compiled a list of "Bibles in Many Languages," and a Checklist of Additions to Evans' American Bibliography in the Rare Book Division of the New York Public Library.

Mrs. Cole has been a member of the Special Libraries Association since 1945 and an active participant in the Geography and Map Division and its Washington and New York Groups. In past years she has served as Hospitality Chair and Chair of the New York Group; Vice-Chair of the Geography and Map Division from 1957-1959, and then in 1960 to 1962 as Chair. She was also a member of the Executive Committee of the Map Resources Committee which supervised compilation of the first edition of Map Collections in the United States and Canada, A Dictionary. The latest edition is a familiar tool for every librarian who

deals with maps. In addition, she is a long-time member of the American Library Association and has been particularly active in the Rare Books and Manuscripts Section of the Association of College and Research Libraries.

## Map Society Notes

The past year has been an active one for the Historical Map Society of British Columbia, with meetings every second month and a series of lectures on map collecting given for the University of British Columbia's Centre for Continuing Education. Dr. A. L. Farley, a Society member and Professor of Geography at UBC began the series with an illustrated introduction to historical cartography. The second session was inspired by the Canadian Cartographic Association's Toronto Conference; a panel of map collectors and dealers convened to discuss their activities. The panel was chaired by Maureen Wilson, with panelists Colin Minchington and J. E. Horvath, collectors, Eric Butler and Stephen Lunsford, dealers, and Frances Woodward, UBC Library. Sherrill Kautz, conservator with the Vancouver City Archives described various preservation techniques. Frances Woodward led sessions on map collecting and collection recording. The final evening featured a display of maps from UBC's historical map collection, and members of the class were invited to bring some maps of their own along to "show and tell."

The September 1979 meeting of the Society featured a talk by Tomas Bartroli on some of the myths and mistakes in the mapping of the Pacific Northwest. In November Richard Malinski discussed John Purdy's map of Cabotia, and in January Frances Woodward talked about mapping the Koptenay District. Frances Woodward's talk on fire insurance plans highlighted the annual meeting in March. In May the Society held a joint session with the Canadian Society for Asian Arts for Basil Stuart Stubbs' presentation on Japanese maps.

## Here comes the sun ☀

Enmap Corporation has just published a map showing the availability of solar energy resources in the United States and southern Canada. The map, 30 by 47 inches, strikingly demonstrates, by the use of contours and colors, the availability of solar radiation on tilted southfacing collectors (suitable for heating buildings and hot water supplies). Also presented on the map are seasonal values of temperature, relative home heating needs, and radiation--all given in a tabular format next to over 240 cities. Data for three Hawaiian and five Alaskan cities are shown in an inset on the map. Copies of the map are available for \$9.50 each. Please specify if map is to be sent folded or unfolded. For postage and handling, add \$1.00 for folded map and \$1.50 for unfolded map. To order, write: Solar Energy Map, ENMAP Corporation, P.O. Box 4430, Boulder, CO 80306.



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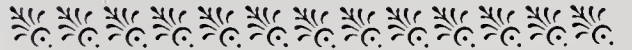


will discuss the production of his film "A Winter Storm on Lake Ontario: An Example of Animated Cartography." The film will be shown. (Judy Siegal, Geography Department, University of Michigan, Ann Arbor, MI 48109)

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19-22 April 1981  
1981 Annual Meeting of the Association of American Geographers, Los Angeles. (AAG, 1710 Sixteenth Street, N.W., Washington, D.C. 20009)

7-8 May 1981  
Ninth Gulf Coast History and Humanities Conference, Pensacola, FL. Theme: "The Anglo-Spanish Conflict on the Gulf Coast." (Dr. W. S. Coker, The Library, University of West Florida, Pensacola, FL 32504 or Dr. Robert R. Rea, Department of History, Auburn University, Auburn, AL 36830)



## From map to verse

"HELP!" This cry issued from us when we encountered the following verse, sent in by J.B. Post of the Free Library of Philadelphia. "HELP!" because this is the second time poor Mr. Gilbert and poor Mr. Sullivan have been profaned in sight of our ears. Back in 1978, the second verse (actually the first) was writ by Tony Amodeo as a tribute (?) to Robert Karrow, map curator of the Newberry Library.

### I

I am the very model of a modern map librarian:  
I deal with no maps that you might call anti-quarian.  
I've microfiche and print-out maps and data digitizable,  
And a CRT-linked plotter to make it realizable.  
I've cartographic data banks just full of information,  
All instantly accessible through modern automation.  
Census tract or ward division, it makes no difference here,  
We manipulate our data differently--always in high gear.  
I've everything my heart could want that's bright and clean and new,  
And of the maps I deal with--why, they must be modern too.  
And, so, I deal with no maps even faintly anti-quarian,  
For I am the very model of a modern map librarian.

### II

I am the very Model of a Modern Map Librarian  
I know the places in the World from China to Bavarian  
I wot the peaks and mountain tops from Alpine to Carpathian  
And write them up in style which is quite faithful to Turabian.

I store my globes, both flat and round, in dra-wers  
that do tightly squeeze  
You'll never catch me calling someone from Thailand  
a Siamese  
I know the sources of the Nile and all the streams  
that feed the Rhine  
Where someday I will travel with my Lee and  
little Katherine.

I know the cities of Sumatra, Sweden and Sri Lanka too  
And also which country produces icebergs and which cockatoo  
In short, in maps and charts and plans, and all things planetarian,  
I am the very Model of the Modern Map Librarian.

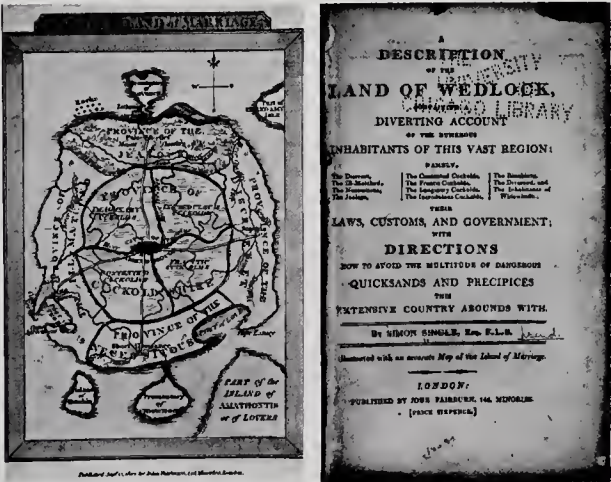
I am the very Model of the Modern Map Librarian  
I know the origin of cities Hittite to Caesarian  
I know the ins and outs of all the isthmuses of Africa  
I'll also tell you where the nearest mens' and ladies' bathrooms are.

I know the latitude and longitude of the exotical  
From old Kuala Lumpur to the peaks of Quex-a-ca-tical  
I'll give you navigation charts from India to Singapore  
And tell you within one degree the incline of old Grandpa's snore.

I'll give you wind velocities for sailing to Afghanistan  
And Turkestan and Isfahan, Baluchistan and Pakistan  
In short, in maps and charts and plans and all things planetarian  
I am the very Model of a Modern Map Librarian.



## Mapping the TERRA INFIRMA (1)



Photos from book submitted by Robert Rosenthal, Curator, Special Collections, The Joseph Regenstein Library, University of Chicago.

## Recent Publications

*The bay where Hudson did winter* / Linden J. Lundstrom.  
--Minneapolis: The Associates of the James Ford Bell Library, University of Minnesota, 1980 (The James Ford Bell Library, University of Minnesota, Minneapolis, MN 55455) Transcription of the seventeenth James Ford Bell Lecture presented May 1979.  
*Bibliography of international geographical congresses, 1871-1976* / edited by George Kish.--Boston: G. K. Hall & Co., 1979 (\$32.50, G. K. Hall & Co., 70 Lincoln St., Boston, MA 02111)  
*Bologna nella sue stampe: vedute e piante scenografiche dal quattrocento all' ottocento* / Antonia Brighetti.  
--Bologna: Garisenda Antiquariato, 1979 (£65.00, Garisenda, Strada Maggiore, 14A, 40125 Bologna, Italy) Lists 240 items (1486-1891) illustrating Bologna. Primarily views, but includes the important early maps. Most are reproduced.



*History of land surveyors and surveyors from the origins up to 1900* / Evaristo Luciana.--Rome : Consiglio Nazionale Geometri, 1978. General history, with emphasis on Italian contributions.  
*The history of topographical maps: symbols, pictures and surveys* / P.D.A. Harvey.--London and New York : Thames and Hudson Ltd., 1980 (\$29.95, Thames and Hudson Inc., 500 Fifth Avenue, New York, NY 10036) This superbly produced book can be confidently recommended as an introduction to the history of large-scale mapping up to the 18th century. It is particularly strong on the Classical, Medieval, and Far Eastern traditions of cartography. Harvey has incorporated much new research and presented it in a very readable way. The reproduction of the illustrations is exemplary.  
*Die Karte als Kunstwerk: dekorative Landkarten aus Mittelalter und Neuzeit* / Bayerische Staatsbibliothek.--Unterschneidheim: Uhl, 1979 (Uhl, Alfons, Dr., D-7094 Unterschneidheim, Tannhäuser Str 33) Catalogue of exhibition held at Bayerische Staatsbibliothek, September to November, 1979.  
*Maps of Indian reserves and settlements in the National Map Collection* / Cartes des reserves et agglomerations indiennes de la Collection nationale de cartes et plans. Volume I: British Columbia/La Colombie-Britannique.--Ottawa: Public Archives of Canada, 1980 (Free, Information Services, Public Archives of Canada, 395 Wellington Street, Ottawa, Canada K1A 0N3)

*Polski przegląd kartograficzny* [Polish Cartographical Review], vol. 11, no. 4 (1979) Includes reports on the International Conference on the role of cartographic journals held in Warsaw, April 24-26, 1979.

## Sources for Native Studies

The first volume in a series of publications which lists maps relating to Indian affairs in Canada has been compiled by the National Map Collection. Entitled Maps of Indian reserves and settlements in the National Map Collection, this first volume in the series is now available, free of charge, from Information Services, Public Archives of Canada, 395 Wellington Street, Ottawa, Canada K1A 0N3.

## NOS Cartobibliography

The National Ocean Survey has recently produced the first of a series of cartobibliographies which reflect the map collection contained within its historical map library. The first publication will list some 400 maps in the Civil War collection. During the Civil War employees of the U.S. Coast Survey (precursor of the National Ocean Survey) were engaged in topographic and hydrographic survey operations to aid field campaigns. The unprecedented demand for maps and charts strained the resources of the Survey to provide support of the war effort. Prior to the Civil War fewer than 10,000 charts had been issued annually. Chart production skyrocketed to 44,000 in 1862 and 66,000 in 1863, never to return to the pre-Civil War volume. The Coast Survey became prominent as a source of maps and charts as the importance of accurate cartographic work emerged. The publication will be provided without cost to libraries and information centers. Should you desire a copy for your library, please direct your request on letterhead stationery to: National Ocean Survey, Physical Science Services Branch (OA/C513), 6001 Executive Boulevard, Rockville, Maryland 20852.

## Mapping the TERRA INFIRMA (2)

The National Oceanic and Atmospheric Administration has published a map showing the locations of volcanoes known or believed to have erupted in the last 12,000 years. The six-color map, approximately 57 by 36 inches, identifies about 700 volcanoes and gives the dates of their known eruptions. Epicenters for 5.5 magnitude and greater (Richter Scale) earthquakes occurring between 1963 and 1977 are also shown. The volcano map can be obtained for \$2.50 by writing NOAA/National Ocean Survey, Distribution Division, C44, Riverdale, MD 20840. Please indicate whether you would prefer your map folded or rolled.



The Sixth  
Kenneth Nebenzahl, Jr., Lectures  
in the History of Cartography  
at The Newberry Library  
30 October-1 November 1980

# ART & CARTOGRAPHY

We are delighted to confirm for Mapline readers the program of the Sixth Kenneth Nebenzahl, Jr., Lectures in the History of Cartography.

## 30 October

GEORGE KISH, Professor of Geography, University of Michigan, "Maps and Globes and the Decorative Arts: A Geographer's View." 8:30 p.m.

## 31 October

JUERGEN SCHULZ, Professor of Art, Brown University, "The Use of Maps in Italian Mural Decorations." 9:30 a.m.

ULLA EHRENSVÄRD, Chief, Division of Maps and Prints, The Royal Library, Stockholm, "The Decorative and Iconographical Use of Color in Cartography." 11:00 a.m.

DAVID WOODWARD, Associate Professor of Geography, University of Wisconsin, Madison, "Calligraphy, Typography and Cartography." 2:30 p.m.

JAMES A. WELU, Associate Curator, Worcester Art Museum, "Eclectic Embellishment: The Sources and Development of Cartographic Ornamentation in the Netherlands." 4:00 p.m.

## 1 November

SAMUEL Y. EDGERTON, JR., Professor of Art, Williams College, "The Heritage of the Cartographic Grid: from Mental Matrix to Mappamundi." 9:30 a.m.

SVETLANA ALPERS, Professor of the History of Art, University of California, Berkeley, "The Mapping Impulse in Dutch Art." 11:00 a.m.



HELEN WALLIS, Map Library, The British Library, will serve as Chair and Commentator for the Lectures. There will be two concurrent exhibitions on the theme of the lectures, Art and Cartography, at the Newberry Library and the Prints and Drawings Department of the Art Institute of Chicago, 30 October 1980 to 4 January 1981. The lectures on 1 November will be held in the Columbus Drive Auditorium of the Art Institute. While there is no formal registration, seat reservations are necessary for the lectures. Please reply to: Nebenzahl Lectures, The Newberry Library, 60 West Walton Street, Chicago, IL 60610. (312) 943-9090 Ext. 251.

## Exhibitions

Art and Cartography, The Newberry Library and the Prints and Drawings Department of The Art Institute of Chicago. Two concurrent exhibitions on the theme of the Sixth Kenneth Nebenzahl, Jr., Lectures in the History of Cartography. October 20-January 4, 1981 (Maria Holden, The Newberry Library, 60 West Walton Street, Chicago, IL 60610; Suzanne Folds McCullagh, Prints and Drawings Department, The Art Institute of Chicago, Michigan Avenue at Adams Street, Chicago, IL 60637).

Cartes et Figures de la Terre, Centre Georges Pompidou, Paris. "Probably the most comprehensive show on cartography ever held, the Paris exhibition proves that mapmaking can be a fine art as well as a science"--International Herald Tribune (June 18, 1980). Until mid November (Viviane Cabannes, Centre Georges Pompidou, 75191 Paris Cedex 04, France).



For over 450 years, the mapping impulse and the fine art of printmaking have been inextricably linked. This fall, the Art Institute will host an exhibition on "Art and Cartography" in conjunction with the Newberry Library at the time of the Sixth Kenneth Nebenzahl, Jr., Lectures on that topic. On Monday, October 20 and on Wednesday, October 29, Suzanne Folds McCullagh, Assistant Curator of Prints and Drawings, will provide a slide presentation surveying the subject from Leonardo da Vinci and Dürer in the 16th Century through Callot and Whistler to contemporary artist/mappers such as Jasper Johns, Christo, and Claes Oldenburg. For further information contact Suzanne Folds McCullagh, Prints and Drawings Department, The Art Institute of Chicago, Michigan Avenue at Adams Street, Chicago, IL 60603.



A handsome poster announcing the lecture series will be available for \$7.00 at the bookshops of the Newberry Library and the Art Institute. The poster reproduces in full color a map by Sebastiano Lopes, a Portuguese cartographer of the 16th century.

